

Form PTO-1449
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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
040679-1393

SERIAL NO. 09/987,258

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Kiyoshi AKUTAGAWA

FILING DATE

11/14/2001

GROUP ART UNIT

2621

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE

RECEIVED


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FOREIGN PATENT DOCUMENTS

[illegible]




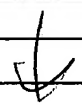
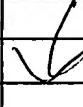

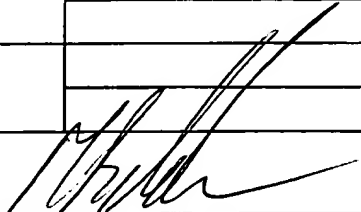
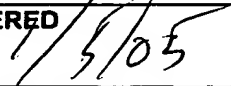
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

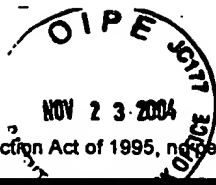
	A4	Katsuyuki, "White Line Detecting Device," Patent Abstracts of Japan, Publication No. 09190537, Published July 22, 1997.
	A5	Zerubia et al., "Mean Field Annealing for Edge Detection and Image Restoration," Signal Processing V: Theories and Applications, Vol. 2, Conf. 5 (September 18, 1990), pp. 837-840.
	A6	Kawazoe, "Edge Extraction and Restoration of Noisy Image by Innovation Process in Kalman Filter," Electronics and Communications in Japan, Vol. 71, No. 10 (October 1, 1988), pp. 26-33.

EXAMINER

DATE CONSIDERED

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Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 040679-1393		SERIAL NO. Unassigned		
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				APPLICANT Kiyoshi AKUTAGAWA				
				FILING DATE 11/14/2001		GROUP ART UNIT Unassigned		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
	A1	5,991,427	Nov. 23, 1999	Kakinami et al.	382	104	JCS979 U.S. PTO 09/987258  11/14/01	
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	A2	9-142208	June 3, 1997	Japan				Abstract
	A3	9-190537	July 22, 1997	Japan				Abstract
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
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Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form PTO/A-61 INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: November 23, 2004 (use as many sheets as necessary)			Complete if Known	
			Application Number	09/987,258
Sheet 1 of 1			Filing Date	11/14/2001
			First Named Inventor	Kiyoshi AKUTAGAWA
			Group Art Unit	2621
			Examiner Name	Unassigned
			Attorney Docket Number	040679-1393

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A1	JP	10-141921	A	NISSAN MOTOR CO., LTD.	05-29-1998		Abst.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶

Examiner Signature		Date Considered	1/5/05
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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